

Converting Colors

$Y_{xy}(40.3960, 0.2069, 0.2647)$

Have a look what the booklet for
Yxy(40.3960, 0.2069, 0.2647)
contains.

Yxy(40.4175, 0.2067, 0.2641)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.4175, 0.2067, 0.2641)

Conversions

Conversions Part 1

Format	Color
Hex	00B9E6
RGB	0, 185, 230
RGB Percent	0%, 73%, 90%
CMY	1.0000, 0.2744, 0.0981
CMYK	1.00, 0.20, 0.00, 0.10
HSL	192°, 100%, 45%
HSV	192°, 100%, 90%
XYZ	31.6331, 40.4175, 80.9880
YIQ	134.8150, -124.7050, -25.2250

Conversions

Conversions Part 2

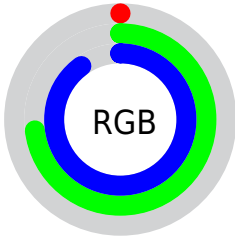
Format	Color
R _{YB}	0, 103, 230
Decimal	47590
CIE Lab	69.77, -23.18, -33.34
CIE LCh	70, 40.605, 235.190
Yxy	40.4175, 0.2067, 0.2641
Android (android.graphics.Color)	4278237670 (0xFF00B9E6)
YUV	134.8150, 46.9262, -118.2328
Hunter-Lab	63.5748, -22.4390, -31.0273

Details

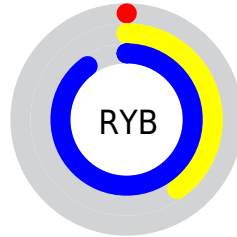
The Yxy color **40.4175, 0.2067, 0.2641** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **18.6955, 0.6204, 0.3456**, and the grayscale version is **24.0182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3187, 0.2371, 0.3122**, and **19.5585, 0.2026, 0.2494** is the 20% darker color. If you saturate the color by 10%, you get **40.4190, 0.2067, 0.2641**, and if you desaturate by 10%, it is **42.5128, 0.2101, 0.2712**.

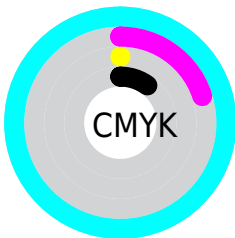
Distribution



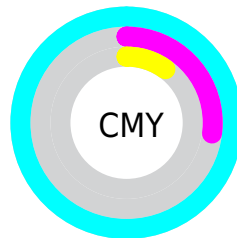
- Red (0%)
- Green (73%)
- Blue (90%)



- Red (0%)
- Yellow (40%)
- Blue (90%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4175, 0.2067, 0.2641 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 40.4175, 0.2067, 0.2641 by changing the saturation by 10% instead.


 40.4175, 0.2067,
0.2641

 40.4175, 0.2067,
0.2641


347.8801, 0.2581,
0.2981

 27.8642, 0.1946,
0.2554


 75.7988, 0.2248,
0.2767

 18.2233, 0.1797,
0.2442


 99.3957, 0.2318,
0.2813


 11.1104, 0.1608,
0.2293


 127.4425, 0.2378,
0.2852

 6.1412, 0.1365,
0.2089

 160.3237, 0.2430,
0.2886

 2.9311, 0.1048,
0.1797

 198.4237, 0.2475,
0.2914

 1.0959, 0.0580,
0.1377

242.1268, 0.2514,

 0.0000, 0.0000,

0.2939

0.0000

291.8175, 0.2549,
0.2961

■ 40.4175, 0.2067,
0.2641

■ 40.4175, 0.2067,
0.2641

■ 40.4190, 0.2067,
0.2641

■ 42.5128, 0.2101,
0.2712

■ 44.8831, 0.2152,
0.2783

■ 47.5997, 0.2222,
0.2855

■ 50.7031, 0.2311,
0.2926

■ 54.2276, 0.2419,
0.2996

■ 58.2029, 0.2542,
0.3062

■ 62.6563, 0.2677,
0.3126

■ 67.6121, 0.2822,
0.3185

■ 73.0934, 0.2973,
0.3240

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.4175, 0.2162, 0.3114



40.4175, 0.2067, 0.2641



40.4175, 0.2215, 0.2396

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.4175, 0.2067, 0.2641



40.4175, 0.3747, 0.2887



40.4175, 0.3602, 0.4376

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.4175, 0.2067, 0.2641



18.6955, 0.6204, 0.3456

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.4175, 0.4080, 0.4177



40.4175, 0.2067, 0.2641



40.4175, 0.4192, 0.3319

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.4175, 0.2067, 0.2641



40.4175, 0.3144, 0.2553



40.4175, 0.4310, 0.3778



40.4175, 0.3022, 0.4222

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.4175, 0.2067, 0.2641



40.4175, 0.2441, 0.2359



40.4175, 0.4310, 0.3778



40.4175, 0.3781, 0.4342

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.4190, 0.2067, 0.2641



79.0893, 0.2675, 0.3125



56.7558, 0.2957, 0.5844



16.4023, 0.2616, 0.3098



0.0000, 0.0000, 0.0000



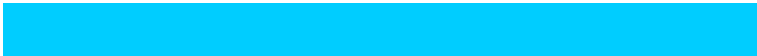
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.4190, 0.2067, 0.2641



50.9502, 0.2066, 0.2637



10.4553, 0.1615, 0.1014



15.8323, 0.2981, 0.3243



23.0597, 0.2070, 0.2652



1.8268, 0.2099, 0.2756

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.3248, 0.3784, 0.1858



25.6746, 0.3788, 0.1860



40.9890, 0.4900, 0.4492



14.5644, 0.3168, 0.3103



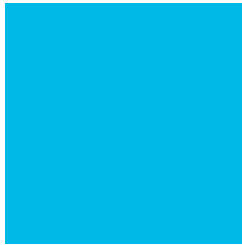
11.5256, 0.3774, 0.1853



0.8641, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 40.4175, 0.2067, 0.2641 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 40.4175, 0.2067, 0.2641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

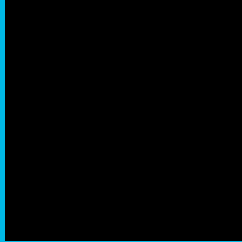
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4175, 0.2067, 0.2641

Background



This preview shows how black text looks on a background with the Yxy color 40.4175, 0.2067, 0.2641.



This preview shows how white text looks on a background with the Yxy color 40.4175, 0.2067, 0.2641.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

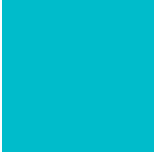
40.4111, 0.2067, 0.2641

Protanopia

39.8153, 0.2661, 0.2632

Deuteranopia

39.8738, 0.2491, 0.2429



Tritanopia

40.2782, 0.2182, 0.3056

Trichromacy



Original Color

40.4111, 0.2067, 0.2641



Protanomaly

38.2554, 0.2291, 0.2610



Deuteranomaly

38.5350, 0.2213, 0.2475



Tritanomaly

40.3447, 0.2138, 0.2896

Monochromacy



Original Color

40.4111, 0.2067, 0.2641



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.6632, 0.2435, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4175, 0.2067, 0.2641 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 185, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 230)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 185, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 230) }
```

Border

The CSS property to change the border of an element to Yxy 40.4175, 0.2067, 0.2641 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 185, 230) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 185, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 185, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4175, 0.2067, 0.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 230) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 185,  
230) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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